WiSMO

FASTRACK
GSM/GPRS - M1206B

ADD WIRELESS CONNECTIVITY TO ALMOST ANYTHING

The Wavecom Fastrack M1206B external modem delivers all the power of state-of-the-art WISMO technology in one unit. Give your application instant GPRS class 10 capabilities by using the embedded TCP/IP protocol stack. Dramatically reduce time to market thanks to full type-approval.

Housed in a rugged metallic casing, the Fastrack M1206B modem is built to withstand the toughest environments. Avoid extra components and subassemblies by embedding your application right on the platform, using Open AT development tools and built-in spare processing and memory capacity.

The Wavecom Fastrack M1206B modem has been optimized for use as the best in class ruggedized modem for wireless Machine-to-Machine applications.

SIMPLE, INEXPENSIVE MACHINE-TO-MACHINE APPLICATIONS

Get a reliable GSM/GPRS Class 10 solution
With rugged housing and proven WISMO Within technology

Get connected
With a simple serial RS232 cable and the optional embedded TCP/IP stack

Save time
Because the Wavecom Fastrack M1206B is fully type-approved

Eliminate extra components & subassemblies
By using Open AT development tools to embed your application right on the modem

wavecom

PRODUCT FEATURES

Dual Band EGSM/GPRS modem (900/1800 MHz) designed for data, fax, SMS and voice applications
Fully Type Approved
Fully compliant with ETSI GSM Phase 2+ specifications (Normal MS)
Output power:
Class 4 (2W @ 900 MHz)
Class 1 (1W @ 1800 MHz)
Power supply:
Input voltage: 5.5-32V
- 5mA in idle mode, 140mA in communication GSM 900 @ 12V
- 5mA in idle mode, 100mA in communication GSM 1800 @ 12V
- Peak 1,7A @ 5.5V
Overall dimensions: 98 x 54 x 25mm
Weight: 105g

VOICE, DATA/FAX, SHORT MESSAGE SERVICES

Voice features:
- Telephony
- Emergency calls
- Full Rate, Enhanced Full Rate and Half Rate (FR/EFR/HR)
- Dual Tone Multi Frequency Function (DTMF)

GSM Data/Fax features:
- Data circuit asynchronous, transparent and non transparent up to 14,400 bits/s
- Automatic fax group 3 (Class 1 and Class 2)
- MNP2, V.42bis

GPRS packet Data features:
- GPRS Class 10
Coding schemes: CS1 to CS4
PBCCH support
- Optional embedded TCP/IP stack and Internet application protocols

Short Messages Services features:
- Text and PDU
- Point to point (MT/MO)
- Cell Broadcast

GSM SUPPLEMENTARY SERVICES

- Call Forwarding
- Call Barring
- Multiparty
- Call Waiting and Call Hold
- Calling Line Identity
- Advice of Charge
- USSD
- Closed User Group
- Explicit Call Transfer

OTHER FEATURES

- ME+SIM phone book management
- Fixed Dialling Number
- SIM, network and service provider locks
- Real Time Clock
- Alarm management
- Software upgrade through Xmodem protocol
- UCS2 character set management

INTERFACES

- RS-232 and audio through mini sub-D 15-pin connector supporting:
  • Baud rate from 300 to 115,200 bits/s
  • Autobauding
- Power supply through micro-FIT 4-pin connector
- SMA antenna connector
- Sliding SIM holder (3V/5V SIM interface)

AT commands interface:
– GSM 07.05 and 07.07 AT commands
– comprehensive set of enhanced AT commands

Open AT APIs:
– numerous interfaces for embedded applications

SIM Toolkit release 99

APPROVALS

The modems are approved worldwide under test standards including:
Radio and Telecommunication Terminal Equipment (R&TTE), Global Certification Forum – Certification Criteria (GCF-CC), EMC, Safety and Chinese approvals

DELIVERABLES

- User guide
- Power supply cable
- Y-cable for data and audio connection (optional)
- Fixing equipment

WAVECOM S.A. may, at any time and without notice, make changes or improvements to the products and services offered and/or cease producing or commercialising them.

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